

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S2 | 2 | ("6643800").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 10:58 |
| S1 | 1 | 10/662383 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 10:58 |
| S3 | 31 | ("4443865" "4471426" "4482953" "4641308" "4841434" "4876466" "4887203" "5072447" "5155819" "5212693" "5226149" "5276863" "5398250" "5404560" "5481684" "5511211" "5557558" "5572666" "5687350" "5748981" "5859999" "5860017" "5864660" "6088690" "6199152" "6223312" "6230290" "6263429" "6385740" "6542981" "6571359").PN. OR ("6643800"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/22 14:45 |
| S4 | 10 | ((("5357627") or ("5408672") or ("5701506") or ("5870601") or ("5938774") or ("6023758") or ("6049672") or ("6158018") or ("6438664") or ("6804772"))).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 14:46 |
| S6 | 2 | ((("6678739") or ("20030177338"))).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 15:14 |
| S5 | 10 | ((("5490249") or ("5913023") or ("6081533") or ("6182245") or ("6415396") or ("6442714") or ("6581020") or ("6671874") or ("6725399") or ("6862696"))).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 15:14 |
| S7 | 10 | ((("3576541") or ("4439828") or ("5634118") or ("5719881") or ("5883906") or ("6026485") or ("6282527") or ("6349383") or ("6658551") or ("6678739"))).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 15:17 |

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| S16 | 144 | (712/211).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 16:48 |
| S15 | 320 | (712/209).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 16:48 |
| S14 | 355 | (712/208).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 16:48 |
| S13 | 587 | (712/227).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 16:48 |
| S12 | 372 | (712/226).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 16:48 |
| S11 | 240 | (714/35).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 16:48 |
| S10 | 192 | (714/32).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 16:48 |
| S9 | 767 | (714/30).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 16:48 |
| S8 | 179 | (macroinstruction\$1 macro-instruction\$1) same (microinstruction\$1 micro-instruction\$1) same (microcode\$1 microcoding) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 17:05 |

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|-----|-----|--|---|----|-----|------------------|
| S21 | 47 | (microarchitecture\$1 micro-architecture\$1 macroarchitecture\$1 macro-architecture\$1 ((microcod\$3 microprogram\$4 micro-cod\$3 micro-program\$4) adj architectur\$3)) same (microcode\$1 micro-code\$1 microcoding micro-coding microprogram\$4 micro-program\$4) same (macroinstruction\$1 macro-instruction\$1 instruction\$1) same (microinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 17:21 |
| S20 | 45 | (microarchitecture\$1 micro-architecture\$1 macroarchitecture\$1 macro-architecture\$1 (microcod\$3 adj architectur\$3)) same (microcode\$1 micro-code\$1 microcoding micro-coding microprogram\$4 micro-program\$4) same (macroinstruction\$1 macro-instruction\$1 instruction\$1) same (microinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 17:21 |
| S22 | 101 | (microarchitecture\$1 micro-architecture\$1 macroarchitecture\$1 macro-architecture\$1 ((microcod\$3 microprogram\$4 micro-cod\$3 micro-program\$4) adj architectur\$3)) and ((microcode\$1 micro-code\$1 microcoding micro-coding microprogram\$4 micro-program\$4) same (macroinstruction\$1 macro-instruction\$1 instruction\$1) same (microinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 17:22 |

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| S17 | 208 | (microarchitecture\$1 micro-architecture\$1 macroarchitecture\$1 macro-architecture\$1 architecture\$1) same (microcode\$1 micro-code\$1 microcoding micro-coding microprogram\$4 micro-program\$4) same (macroinstruction\$1 macro-instruction\$1 instruction\$1) same (microinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 17:26 |
| S28 | 32 | S26 and (S9 S10 S11 S12 S13 S14 S15 S16) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 17:27 |
| S33 | 31 | (S29 S30 S31 S32) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 17:35 |
| S32 | 10 | ((("3576541") or ("4439828") or ("5634118") or ("5719881") or ("5883906") or ("6026485") or ("6282527") or ("6349383") or ("6658551") or ("6678739")).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:35 |
| S31 | 2 | ((("6678739") or ("20030177338")).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:35 |
| S30 | 10 | ((("5490249") or ("5913023") or ("6081533") or ("6182245") or ("6415396") or ("6442714") or ("6581020") or ("6671874") or ("6725399") or ("6862696")).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:35 |
| S29 | 10 | ((("5357627") or ("5408672") or ("5701506") or ("5870601") or ("5938774") or ("6023758") or ("6049672") or ("6158018") or ("6438664") or ("6804772")).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:35 |
| S34 | 19 | ("3959636" "4128873" "4141068" "4153933" "4191996").PN. OR ("4797808"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/22 17:46 |
| S35 | 1 | ("5771241").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:47 |

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| S37 | 1 | ("6564178").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:51 |
| S36 | 1 | ("6625759").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:51 |
| S38 | 1 | ("6678853").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:52 |
| S39 | 1 | ("6618801").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:53 |
| S40 | 1 | ("6789186").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:54 |
| S41 | 1 | ("6678817").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:55 |
| S42 | 1 | ("5867644").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:56 |
| S43 | 1 | ("5956477").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:57 |
| S44 | 1 | ("6681322").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 17:58 |
| S45 | 1 | ("6820190").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/22 18:05 |

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| S47 | 161 | ("3639911" "3805245" "3937938" "4010448" "4200912" "4236204" "4312066" "4403287" "4404628" "4422141" "4455622" "4547849" "4644494" "4674089" "4677586" "4720811" "4734882" "4896289" "4907150" "4914325" "4945536" "4949360" "4967326" "5027273" "5032983" "5036453" "5036458" "5056015" "5070476" "5124910" "5125088" "5128970" "5136714" "5175853" "5218525" "5222068" "5228039" "5254942" "5263143" "5265005" "5274826" "5274834" "5276824" "5276888" "5281864" "5291604" "5329471" "5339437" "5353424").PN. OR ("5479652"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/22 18:08 |
| S49 | 19 | S26 and (test\$3 debug\$4 (((identi\$5 determin\$6 detect\$3) near3 (fault\$1 error\$1 failure\$1 fail\$3 defect\$4 bug\$1 problem\$4))).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 18:11 |
| S48 | 140 | S26 and (test\$3 debug\$4 (((identi\$5 determin\$6 detect\$3) near3 (fault\$1 error\$1 failure\$1 fail\$3 defect\$4 bug\$1 problem\$4)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 18:11 |
| S19 | 28 | S18 and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 18:12 |
| S52 | 34 | ("4164037" "4179734" "4298936" "4441154" "4450521").PN. OR ("4677586"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/22 18:17 |
| S53 | 12 | ("3599176").PN. OR ("4651275"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/22 18:20 |
| S54 | 26 | ("3517171" "3959636" "4128873" "4141068" "4191996").PN. OR ("4490783"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/22 18:22 |

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| S26 | 209 | (microarchitecture\$1 micro-architecture\$1 macroarchitecture\$1 macro-architecture\$1 architecture\$1) same (microcode\$1 micro-code\$1 microcoding micro-coding microprogram\$4 micro-program\$4 microroutine\$1 micro-routine\$1) same (macroinstruction\$1 macro-instruction\$1 instruction\$1) same (microinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 18:25 |
| S57 | 8 | (S56 not S18) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 18:26 |
| S56 | 42 | S55 and (S9 S10 S11 S12 S13 S14 S15 S16) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 18:26 |
| S50 | 10 | (S49 not S18) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 18:26 |
| S18 | 32 | S17 and (S9 S10 S11 S12 S13 S14 S15 S16) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 18:26 |
| S51 | 19 | (S49) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/22 18:27 |
| S59 | 767 | (714/30).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 08:10 |
| S66 | 225 | S60 S65 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 08:11 |

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|-----|-----|--|---|----|-----|------------------|
| S65 | 159 | (S61 S62 S63 S64) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202") and @pd>"20021018" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 08:11 |
| S64 | 587 | (712/227).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 08:11 |
| S63 | 372 | (712/226).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 08:11 |
| S62 | 240 | (714/35).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 08:11 |
| S61 | 192 | (714/32).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 08:11 |
| S60 | 72 | (S59) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202") and @pd>"20030313" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 08:11 |
| S68 | 17 | ("4093982" "4124890" "4144563" "4291372" "4403284" "4450519").PN. OR ("4878174").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 09:15 |
| S67 | 36 | ("3991404" "4093982" "4124890" "4144563" "4153933" "4155120" "4291372" "4306163" "4398244" "4403284" "4434462" "4443865" "4450519" "4766531" "4825363").PN. OR ("5155819").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 09:15 |
| S73 | 32 | S72 and (S59 S61 S62 S63 S64 S69 S70 S71) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 09:35 |

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|-----|-----|--|---|----|-----|------------------|
| S72 | 208 | (microarchitecture\$1 micro-architecture\$1 macroarchitecture\$1 macro-architecture\$1 architecture\$1) same (microcode\$1 micro-code\$1 microcoding micro-coding microprogram\$4 micro-program\$4) same (macroinstruction\$1 macro-instruction\$1 instruction\$1) same (macroinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 09:35 |
| S71 | 144 | (712/211).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 09:35 |
| S70 | 320 | (712/209).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 09:35 |
| S69 | 355 | (712/208).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 09:35 |
| S75 | 209 | (microarchitecture\$1 micro-architecture\$1 macroarchitecture\$1 macro-architecture\$1 architecture\$1) same (microcode\$1 micro-code\$1 microcoding micro-coding microprogram\$4 micro-program\$4 microroutine\$1 micro-routine\$1) same (macroinstruction\$1 macro-instruction\$1 instruction\$1) same (macroinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 09:36 |

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|-----|-----|--|---|----|-----|------------------|
| S74 | 32 | (US-20030046520-\$).did. or (US-4034345-\$ or US-4205372-\$ or US-4323964-\$ or US-4342080-\$ or US-4471426-\$ or US-4490783-\$ or US-4507727-\$ or US-4651275-\$ or US-4677586-\$ or US-4797808-\$ or US-4841434-\$ or US-4992934-\$ or US-5222244-\$ or US-5276824-\$ or US-5333287-\$ or US-5412785-\$ or US-5479652-\$ or US-5687338-\$ or US-5729728-\$ or US-5809271-\$ or US-5870576-\$ or US-5884071-\$ or US-5918031-\$ or US-5950012-\$ or US-6049672-\$ or US-6567910-\$).did. or (US-6625759-\$ or US-6643800-\$ or US-6742107-\$ or US-6789186-\$ or US-6857062-\$).did. | US-PGPUB; USPAT | OR | OFF | 2005/12/23 09:36 |
| S77 | 19 | (US-20040064267-\$).did. or (US-3990052-\$ or US-4042972-\$ or US-4205372-\$ or US-4323964-\$ or US-4456996-\$ or US-4490783-\$ or US-4507727-\$ or US-4580216-\$ or US-4677586-\$ or US-4713750-\$ or US-4797808-\$ or US-4841434-\$ or US-4878174-\$ or US-5155819-\$ or US-5479652-\$ or US-6643800-\$).did. or (EP-181462-\$ or FR-2804522-\$). did. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2005/12/23 09:37 |
| S76 | 19 | S75 and (test\$3 debug\$4 (((identi\$5 determin\$6 detect\$3) near3 (fault\$1 error\$1 failure\$1 fail\$3 defect\$4 bug\$1 problem\$4))).ab. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 09:37 |
| S58 | 232 | (S34 S47 S52 S53 S54) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 09:37 |
| S99 | 26 | ("3517171" "3959636" "4128873" "4141068" "4191996").PN. OR ("4490783"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 09:40 |
| S98 | 12 | ("3599176").PN. OR ("4651275"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 09:40 |
| S97 | 34 | ("4164037" "4179734" "4298936" "4441154" "4450521").PN. OR ("4677586"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 09:40 |

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|-----|-----|--|---|----|-----|------------------|
| S96 | 161 | ("3639911" "3805245" "3937938" "4010448" "4200912" "4236204" "4312066" "4403287" "4404628" "4422141" "4455622" "4547849" "4644494" "4674089" "4677586" "4720811" "4734882" "4896289" "4907150" "4914325" "4945536" "4949360" "4967326" "5027273" "5032983" "5036453" "5036458" "5056015" "5070476" "5124910" "5125088" "5128970" "5136714" "5175853" "5218525" "5222068" "5228039" "5254942" "5263143" "5265005" "5274826" "5274834" "5276824" "5276888" "5281864" "5291604" "5329471" "5339437" "5353424").PN. OR ("5479652"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 09:40 |
| S95 | 1 | ("6820190").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S94 | 1 | ("6681322").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S93 | 1 | ("5956477").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S92 | 1 | ("5867644").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S91 | 1 | ("6678817").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S90 | 1 | ("6789186").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |

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| S89 | 1 | ("6618801").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S88 | 1 | ("6678853").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S87 | 1 | ("6564178").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S86 | 1 | ("6625759").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S85 | 1 | ("5771241").PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S84 | 19 | ("3959636" "4128873" "4141068" "4153933" "4191996").PN. OR ("4797808"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 09:40 |
| S83 | 31 | (S79 S80 S81 S82) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S82 | 10 | ((("3576541") or ("4439828") or ("5634118") or ("5719881") or ("5883906") or ("6026485") or ("6282527") or ("6349383") or ("6658551") or ("6678739")).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S81 | 2 | ((("6678739") or ("20030177338")).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S80 | 10 | ((("5490249") or ("5913023") or ("6081533") or ("6182245") or ("6415396") or ("6442714") or ("6581020") or ("6671874") or ("6725399") or ("6862696")).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |
| S79 | 10 | ((("5357627") or ("5408672") or ("5701506") or ("5870601") or ("5938774") or ("6023758") or ("6049672") or ("6158018") or ("6438664") or ("6804772")).PN. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | OFF | 2005/12/23 09:40 |

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| S10 1 | 58 | (S78 S83) not (S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S77 S74) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 09:41 |
| S10 2 | 25 | ("4231089" "4471472" "4644539" "4648075" "4733394" "4926319").PN. OR ("5212693").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 09:52 |
| S10 3 | 20 | ("4034194" "4038643" "4042972" "4339819" "4342078" "4415969" "4433413" "4461000" "4482953" "4488228" "4679138").PN. OR ("4887203").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:12 |
| S10 4 | 30 | ("3603936" "3786434" "4305125" "4313200" "4342084" "4604746" "4621363" "4672534" "4697267" "4710927" "4720811" "4811345" "4823307" "4876645" "4920538" "4924469" "4949238" "5043985" "5077740").PN. OR ("5398250").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:25 |
| S10 5 | 45 | ("3798612" "4064394" "4092730" "4149235" "4200915" "4215396" "4215397" "4227247" "4244034" "4247901" "4282584" "4291388" "4302820").PN. OR ("4443865").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 10:32 |
| S10 0 | 544 | (S66 S67 S68 S78 S83 S84 S96 S97 S98 S99) not (S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S77 S74) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 10:39 |
| S10 7 | 33 | ("3800293" "3949370" "3949372" "4037202" "4075687" "4179731" "4360868" "4399505" "4467415" "4471433" "4519033" "4521858" "4551798" "4631663").PN. OR ("4825363").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 11:34 |
| S10 8 | 18 | ("4084236").PN. OR ("4231089").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 12:08 |

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| S10 6 | 365 | ((S67 S68 S84 S96 S97 S98 S99 S102 S103 S104 S105) not (S78 S83 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S77 S74)) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 12:23 |
| S10 9 | 40 | ((S107 S108) not (S67 S68 S84 S96 S97 S98 S99 S102 S103 S104 S105 S78 S83 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S77 S74)) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 12:27 |
| S11 1 | 357 | (703/21).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 13:51 |
| S78 | 31 | ("4443865" "4471426" "4482953" "4641308" "4841434" "4876466" "4887203" "5072447" "5155819" "5212693" "5226149" "5276863" "5398250" "5404560" "5481684" "5511211" "5557558" "5572666" "5687350" "5748981" "5859999" "5860017" "5864660" "6088690" "6199152" "6223312" "6230290" "6263429" "6385740" "6542981" "6571359").PN. OR ("6643800").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 13:51 |
| S55 | 255 | (microarchitecture\$1 micro-architecture\$1 macroarchitecture\$1 macro-architecture\$1 architecture\$1) same (microcode\$1 micro-code\$1 microcoding micro-coding microprogram\$4 micro-program\$4 microroutine\$1 micro-routine\$1) same (macroinstruction\$1 macro-instruction\$1 instruction\$1 emulat\$3) same (microinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1 native\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 13:52 |

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| S11 0 | 211 | (S66 not (S107 S108 S67 S68 S84 S96 S97 S98 S99 S102 S103 S104 S105 S78 S83 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S77 S74)) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 13:54 |
| S46 | 168 | S26 and (test\$3 debug\$4 diagnos\$4 evaluat\$5 ((locat\$4 identi\$5 determin\$6 detect\$3 isolat\$3 analy\$4) near3 (fault\$1 error\$1 failure\$1 fail\$3 anomal\$3 erroneous defect\$4 bug\$1 problem\$4 abnormal\$5))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 14:14 |
| S11 4 | 50 | ((microarchitecture\$1 micro-architecture\$1 macroarchitecture\$1 macro-architecture\$1) and ((microcode\$1 micro-code\$1 microcoding micro-coding microprogram\$4 micro-program\$4 microroutine\$1 micro-routine\$1) same (macroinstruction\$1 macro-instruction\$1 (emulat\$3 near2 (code\$1 instruction\$1 routine\$1 operation\$1)))) same (microinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1 (native\$2 near2 (code\$1 instruction\$1 routine\$1 operation\$1)))))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 14:16 |
| S11 6 | 1607 | (macroinstruction\$1 macro-instruction\$1 (emulat\$3 near2 (code\$1 instruction\$1 routine\$1 operation\$1)))) and (microinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1 (native\$2 near2 (code\$1 instruction\$1 routine\$1 operation\$1)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 14:17 |

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| S11 5 | 142 | ((microarchitecture\$1 micro-architecture\$1 macroarchitecture\$1 macro-architecture\$1) and (microcode\$1 micro-code\$1 microcoding micro-coding microprogram\$4 micro-program\$4 microroutine\$1 micro-routine\$1) and (macroinstruction\$1 macro-instruction\$1 (emulat\$3 near2 (code\$1 instruction\$1 routine\$1 operation\$1)))) and (microinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1 (native\$2 near2 (code\$1 instruction\$1 routine\$1 operation\$1)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 14:17 |
| S11 8 | 65 | S116 and (test\$3 debug\$4 diagnos\$4 evaluat\$5 ((locat\$4 identi\$5 determin\$6 detect\$3 isolat\$3 analy\$4) near3 (fault\$1 error\$1 failure\$1 fail\$3 anomal\$3 erroneous defect\$4 bug\$1 problem\$4 abnormal\$5))) and (S69 S70) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 14:18 |
| S11 7 | 1065 | S116 and (test\$3 debug\$4 diagnos\$4 evaluat\$5 ((locat\$4 identi\$5 determin\$6 detect\$3 isolat\$3 analy\$4) near3 (fault\$1 error\$1 failure\$1 fail\$3 anomal\$3 erroneous defect\$4 bug\$1 problem\$4 abnormal\$5))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 14:18 |
| S11 9 | 18 | ("4992934" "5367694" "5481684" "5542059" "5574927" "5598546" "5619665" "5619666" "5638525" "5664136" "5689672").PN. OR ("5909567"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 14:27 |

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|----------|----|--|--------------------|----|-----|------------------|
| S12 0 | 65 | (US-20010010072-\$ or US-20010042172-\$ or US-20020066003-\$ or US-20020066004-\$ or US-20020083302-\$ or US-20020188825-\$ or US-20020188826-\$ or US-20020199087-\$ or US-20030046515-\$ or US-20040030865-\$ or US-20050081017-\$ or US-20050216701-\$ or US-20050251653-\$).did. or (US-3914746-\$ or US-3949372-\$ or US-3983539-\$ or US-3983541-\$ or US-4130869-\$ or US-4156925-\$ or US-4342080-\$ or US-4403284-\$ or US-4597041-\$ or US-4651275-\$ or US-4893235-\$ or US-4992934-\$ or US-5097407-\$ or US-5222244-\$ or US-5226164-\$ or US-5280593-\$ or US-5291586-\$ or US-5404560-\$ or US-5542059-\$ or US-5546552-\$ or US-5603012-\$ or US-5619666-\$ or US-5781750-\$ or US-5805918-\$ or US-5809271-\$ or US-5909567-\$).did. or (US-5920713-\$ or US-5978898-\$ or US-6012138-\$ or US-6031992-\$ or US-6049672-\$ or US-6079009-\$ or US-6085307-\$ or US-6085312-\$ or US-6093213-\$ or US-6105125-\$ or US-6253306-\$ or US-6263422-\$ or US-6263423-\$ or US-6336178-\$ or US-6351844-\$ or US-6453278-\$ or US-6564179-\$ or US-6567910-\$ or US-6691306-\$ or US-6772323-\$ or US-6785801-\$ or US-6895494-\$ or US-6907515-\$ or US-6954847-\$ or US-6954923-\$ or US-6965984-\$).did. | US-PGPUB; USPAT | OR | OFF | 2005/12/23 14:35 |
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| S12 1 | 74 | (US-20010056571-\$ or US-20020004877-\$ or US-20020152061-\$ or US-20020188434-\$ or US-20030212908-\$ or US-20040083089-\$ or US-20050065766-\$).did. or (US-3786430-\$ or US-4253145-\$ or US-4456994-\$ or US-4700293-\$ or US-4885681-\$ or US-4887202-\$ or US-4937036-\$ or US-4939507-\$ or US-5003468-\$ or US-5063499-\$ or US-5097407-\$ or US-5167023-\$ or US-5363501-\$ or US-5379432-\$ or US-5546595-\$ or US-5551050-\$ or US-5615356-\$ or US-5625580-\$ or US-5794012-\$ or US-5819064-\$ or US-5838950-\$ or US-5842002-\$ or US-5850536-\$ or US-5854916-\$ or US-5862366-\$ or US-5881269-\$).did. or (US-5894566-\$ or US-5910180-\$ or US-5913052-\$ or US-5918035-\$ or US-5930495-\$ or US-5930497-\$ or US-5966515-\$ or US-5995741-\$ or US-5995743-\$ or US-6006029-\$ or US-6059835-\$ or US-6112312-\$ or US-6123735-\$ or US-6134515-\$ or US-6223144-\$ or US-6223147-\$ or US-6272451-\$ or US-6282504-\$ or US-6330528-\$ or US-6345241-\$ or US-6389382-\$ or US-6453277-\$ or US-6496847-\$ or US-6584436-\$ or US-6606590-\$ or US-6609088-\$ or US-6625572-\$).did. or (US-6637019-\$ or US-6704888-\$ or US-6763327-\$ or US-6772106-\$ or US-6832181-\$ or US-6832186-\$ or US-6845352-\$ or US-6850879-\$ or US-6868375-\$ or US-6874060-\$ or US-6892173-\$ or US-6925431-\$ or US-6964026-\$ or US-6978233-\$).did. | US-PGPUB; USPAT | OR | OFF | 2005/12/23 14:36 |
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| S11 2 | 74 | ((microarchitecture\$1 micro-architecture\$1 macroarchitecture\$1 macro-architecture\$1) or (microcode\$1 micro-code\$1 microcoding micro-coding microprogram\$4 micro-program\$4 microroutine\$1 micro-routine\$1) or (macroinstruction\$1 macro-instruction\$1 (emulat\$3 near2 (code\$1 instruction\$1 routine\$1 operation\$1))) or (microinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1 (native\$2 near2 (code\$1 instruction\$1 routine\$1 operation\$1)))) and S111 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 14:36 |
| S11 3 | 57 | (S112 not (S66 S107 S108 S67 S68 S84 S96 S97 S98 S99 S102 S103 S104 S105 S78 S83 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S77 S74)) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 14:37 |
| S12 3 | 56 | (microarchitecture macroarchitecture micro-architecture macro-architecture architecture ((microcod\$3 microprogram\$4 micro-cod\$3 micro-program\$4 microcomputer\$1 micro-computer\$1) near2 architectur\$3)) with (test\$3 debug\$4 diagnos\$4 evaluat\$5 ((locat\$4 identi\$5 determin\$6 detect\$3 isolat\$3 analy\$4) near3 (fault\$1 error\$1 failure\$1 fail\$3 anomal\$3 erroneous defect\$4 bug\$1 problem\$4 abnormal\$5))) with (microcode\$1 microcoding micro-code\$1 micro-coding microprogram\$4 micro-program\$4 microroutine\$1 micro-routine\$1 microinstruction\$1 micro-instruction\$1 microoperation\$1 micro-operation\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 15:19 |

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| S12 4 | 42 | (S123) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 15:24 |
| S12 5 | 12 | ("4392198" "4461000" "4482953" "4488228" "4493035" "4509114" "4524415").PN. OR ("4745574"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 15:26 |
| S12 6 | 12 | ("4167779" "4190885" "4357656" "4392201" "4488228" "4493035" "4524415" "4575792").PN. OR ("4744049").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/23 15:32 |
| S12 7 | 13 | ((S125 S126) not (S119 S120 S121 S66 S107 S108 S67 S68 S84 S96 S97 S98 S99 S102 S103 S104 S105 S78 S83 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S77 S74)) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 15:36 |
| S12 2 | 11 | (S119 not (S120 S121 S66 S107 S108 S67 S68 S84 S96 S97 S98 S99 S102 S103 S104 S105 S78 S83 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S77 S74)) and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/23 15:36 |

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| S12 8 | 44 | (US-20030046520-\$ or US-20040064267-\$).did. or (US-4167779-\$ or US-4231089-\$ or US-4443865-\$ or US-4482953-\$ or US-4490783-\$ or US-4507727-\$ or US-4641308-\$ or US-4651275-\$ or US-4677586-\$ or US-4744049-\$ or US-4745574-\$ or US-4797808-\$ or US-4825363-\$ or US-4841434-\$ or US-4878174-\$ or US-4887203-\$ or US-5155819-\$ or US-5212693-\$ or US-5222244-\$ or US-5226149-\$ or US-5333287-\$ or US-5398250-\$ or US-5404560-\$ or US-5479620-\$ or US-5479652-\$ or US-5701506-\$).did. or (US-5740420-\$ or US-5748981-\$ or US-5884071-\$ or US-5898867-\$ or US-5909567-\$ or US-5938774-\$ or US-5950012-\$ or US-6049672-\$ or US-6112312-\$ or US-6158018-\$ or US-6625759-\$ or US-6643800-\$ or US-6691308-\$ or US-6804772-\$).did. or (EP-315275-\$ or FR-2804522-\$). did. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2005/12/29 11:31 |
| L53 | 44 | (US-20030046520-\$ or US-20040064267-\$).did. or (US-4167779-\$ or US-4231089-\$ or US-4443865-\$ or US-4482953-\$ or US-4490783-\$ or US-4507727-\$ or US-4641308-\$ or US-4651275-\$ or US-4677586-\$ or US-4744049-\$ or US-4745574-\$ or US-4797808-\$ or US-4825363-\$ or US-4841434-\$ or US-4878174-\$ or US-4887203-\$ or US-5155819-\$ or US-5212693-\$ or US-5222244-\$ or US-5226149-\$ or US-5333287-\$ or US-5398250-\$ or US-5404560-\$ or US-5479620-\$ or US-5479652-\$ or US-5701506-\$).did. or (US-5740420-\$ or US-5748981-\$ or US-5884071-\$ or US-5898867-\$ or US-5909567-\$ or US-5938774-\$ or US-5950012-\$ or US-6049672-\$ or US-6112312-\$ or US-6158018-\$ or US-6625759-\$ or US-6643800-\$ or US-6691308-\$ or US-6804772-\$).did. or (EP-315275-\$ or FR-2804522-\$). did. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2005/12/29 17:42 |

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| L54 | 11 | 53 and sequencer\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/29 17:43 |
| L58 | 49 | 57 and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/29 18:45 |
| L57 | 82 | dispatcher\$1 with ((function\$2 execution) adj units) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/29 18:45 |
| L56 | 99 | 55 and (@ad<="20000202" @pd<="20000202" @rlad<="20000202" @prad<="20000202") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/29 18:45 |
| L55 | 136 | dispatcher\$1 same ((function\$2 execution) adj units) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/29 18:45 |